

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-154 (Cancelled)

155. (currently amended) A computer program product for determining a health status of a selected server of a server farm, the computer program product comprising:

a ~~tangible~~ computer usable storage medium having computer readable code embodied therein, the computer readable code comprising:

computer code for implementing a first thread of said computer program product for determining the health status of a first server of the server farm, said first thread comprising:

computer code for identifying the first server of the server farm for analysis;

computer code for receiving data from the first server, said data including content information;

computer code for performing format verification on a first portion of said content information by verifying correct formatting of the first portion of content information using predetermined format verification rules;

computer code for identifying timestamp information in the first portion of content, wherein the timestamp information includes an hour's portion of a time value and a minute's portion of the time value;

computer code for determining whether the hour's portion of the time value is an integer within a range from 1 to 12, inclusive;

computer code for determining whether the minute's portion of the time value is an integer within a range from 0 to 59, inclusive;

computer code for determining whether the timestamp information includes a colon character interposed between the hours portion and minutes portion of the time value; and

computer code for determining the health status of the first server based upon results of said format verification.

156. (previously presented) The computer program product of claim 155 wherein said format verification code further includes:

computer code for verifying correct formatting of the timestamp information using a first regular expression corresponding to: $([1-9]1[0-2]):[0-5][0-9]$.

157. (previously presented) The computer program product of claim 155 wherein said format verification code further includes:

computer code for verifying correct formatting of the timestamp information using a first regular expression corresponding to: $(A|P)M$.

158. (previously presented) The computer program product of claim 155 wherein said format verification code further includes:

computer code for identifying timestamp information in the first portion of content; and
computer code for determining whether the timestamp information includes a time data string followed by the characters "AM" or "PM".

159. (previously presented) The computer program product of claim 155 wherein the timestamp information includes a first portion of non-deterministic data which can not be predetermined, the computer program product further comprising:

computer code for performing format verification on the first portion of non-deterministic data by verifying correct formatting of the first portion of non-deterministic data using predetermined format verification rules.

160. (previously presented) A computer program product for determining a health status of a selected server of a server farm, the computer program product comprising:

a tangible computer usable medium having computer readable code embodied therein, the computer readable code comprising:

computer code for implementing a first thread of said computer program product for determining the health status of a first server of the server farm, said first thread comprising:

computer code for identifying the first server of the server farm for analysis;

computer code for receiving data from the first server, said data including content information;

computer code for performing format verification on a first portion of said content information by verifying correct formatting of the first portion of content information using predetermined format verification rules;

computer code for identifying a ticker symbol in the first portion of content;

computer code for determining whether a length of the ticker symbol is between 1-4 characters, inclusive; and

computer code for determining the health status of the first server based upon results of said format verification.

161. (previously presented) The computer program product of claim 160 wherein said format verification code further includes:

computer code for verifying correct formatting of the ticker symbol using a first regular expression corresponding to: $([A-Z]\{1,4\}|[A-Z]\{4\}X)$.

162. (previously presented) The computer program product of claim 160 wherein said format verification code further includes:

computer code for identifying a ticker symbol in the first portion of content; and

computer code for determining whether a length of the ticker symbol is five characters with the last character being an "X."

163. (previously presented) The computer program product of claim 160 wherein the ticker symbol includes a first portion of non-deterministic data which can not be predetermined, the computer program product further comprising:

computer code for performing format verification on the first portion of non-deterministic data by verifying correct formatting of the first portion of non-deterministic data using predetermined format verification rules.

164. (previously presented) A computer program product for determining a health status of a selected server of a server farm, the computer program product comprising:

a tangible computer usable medium having computer readable code embodied therein, the computer readable code comprising:

computer code for implementing a first thread of said computer program product for determining the health status of a first server of the server farm, said first thread comprising:

computer code for identifying the first server of the server farm for analysis;

computer code for receiving data from the first server, said data including content information;

computer code for performing format verification on a first portion of said content information by verifying correct formatting of the first portion of content information using predetermined format verification rules;

computer code for identifying currency information in the first portion of content, wherein the currency information includes a monetary value;

computer code for determining whether the monetary value includes a dollar sign followed by a numerical value greater than or equal to zero, followed by a decimal point, followed by two numeric digits; and

computer code for determining the health status of the first server based upon results of said format verification.

165. (previously presented) The computer program product of claim 164 wherein said format verification code further includes:

computer code for verifying correct formatting of the monetary value using a first regular expression corresponding to: $(\$([0-9][0-9]^*).[0-9]{2})$.

166. (previously presented) The computer program product of claim 164 wherein the currency information includes a first portion of non-deterministic data which can not be predetermined, the computer program product further comprising:

computer code for performing format verification on the first portion of non-deterministic data by verifying correct formatting of the first portion of non-deterministic data using predetermined format verification rules.

167. (previously presented) A computer program product for determining a health status of a selected server of a server farm, the computer program product comprising:

a tangible computer usable medium having computer readable code embodied therein, the computer readable code comprising:

computer code for implementing a first thread of a process for determining the health status of a first server of the server farm, said first thread comprising:

computer code for identifying the first server of the server farm for analysis;

computer code for receiving data from the first server, said data including content information comprising a first portion of non-deterministic data which cannot be predetermined;

computer code for performing format verification on the first portion of non-deterministic data by verifying correct formatting of the first portion of non-deterministic data using

predetermined format verification rules, the first portion of non-deterministic content including at least one type of information selected from a group consisting of: timestamp information including an hours portion of a time value and a minutes portion of the time value, currency information including a monetary value, and financial information including a ticker symbol; and computer code for determining the health status of the first server based upon results of said format verification.

168. (previously presented) The computer program product of claim 167 further comprising:

computer code for identifying timestamp information in the first portion of non-deterministic data, wherein the timestamp information includes an hour's portion of a time value and a minute's portion of the time value;

computer code for determining whether the hour's portion of the time value is an integer within a range from 1 to 12, inclusive;

computer code for determining whether the minutes portion of the time value is an integer within a range from 0 to 59, inclusive; and

computer code for determining whether the timestamp information includes a colon character interposed between the hour's portion and minute's portion of the time value.

169. (previously presented) The computer program product of claim 167 further comprising:

computer code for identifying timestamp information in the first portion of non-deterministic data; and

computer code for determining whether the timestamp information includes a time data string followed by the characters "AM" or "PM".

170. (previously presented) The computer program product of claim 167 further comprising:

computer code for identifying a ticker symbol in the first portion of non-deterministic data; and

computer code for determining whether a length of the ticker symbol is between 1-4 characters, inclusive.

171. (previously presented) The computer program product of claim 167 further comprising:

computer code for identifying a ticker symbol in the first portion of non-deterministic data; and

computer code for determining whether a length of the ticker symbol is five characters with the last character being an "X."

172. (previously presented) The computer program product of claim 167 further comprising:

computer code for identifying currency information in the first portion of content, wherein the currency information includes a monetary value;

computer code for determining whether the monetary value includes a dollar sign followed by a numerical value greater than or equal to zero, followed by a decimal point, followed by two numeric digits; and

computer code for determining the health status of the first server based upon results of said format verification.

173. (previously presented) The computer program product of claim 167 further comprising:

computer code for implementing, concurrently with the implementation of the first thread, a second thread of said computer program product for determining the health status of a second server of the server farm, said second thread comprising:

computer code for identifying the second server of the server farm for analysis;

computer code for receiving data from the second server, said data including a second portion of content information;

computer code for performing format verification on said second portion of content information by verifying proper formatting of the second portion of content information using a second set of predetermined format verification rules; and

computer code for determining the health status of the second server based upon results of said second format verification.

174. (previously presented) The computer program product of claim 167 further comprising:

computer code for detecting, using results of said format verification, a problem relating to the health status of the first server; and

computer code for automatically implementing at least one action in response to the detecting of the problem relating to the health status of the first server.

175. (previously presented) The computer program product of claim 167 wherein the selected first server is a selected server in a load balanced server farm system.

176. (previously presented) A system for determining a health status of a selected server of a server farm, the system comprising:

means for implementing a first thread of a process for determining the health status of a first server of the server farm, said first thread comprising:

means for identifying the first server of the server farm for analysis;

means for receiving data from the first server, said data including content information comprising a first portion of non-deterministic data which cannot be predetermined;

means for performing format verification on the first portion of non-deterministic data by verifying correct formatting of the first portion of non-deterministic data using predetermined format verification rules, the first portion of non-deterministic content including at least one type of information selected from a group consisting of: timestamp information including an hours portion of a time value and a minutes portion of the time value, currency information including a monetary value, and financial information including a ticker symbol; and

means for determining the health status of the first server based upon results of said format verification.

177. (previously presented) The system of claim 176 further comprising:

means for identifying timestamp information in the first portion of non-deterministic data, wherein the timestamp information includes an hour's portion of a time value and a minute's portion of the time value;

means for determining whether the hour's portion of the time value is an integer within a range from 1 to 12, inclusive;

means for determining whether the minutes portion of the time value is an integer within a range from 0 to 59, inclusive; and

means for determining whether the timestamp information includes a colon character interposed between the hour's portion and minute's portion of the time value.

178. (previously presented) The system of claim 176 further comprising:
means for identifying timestamp information in the first portion of non-deterministic data; and

means for determining whether the timestamp information includes a time data string followed by the characters "AM" or "PM".

179. (previously presented) The system of claim 176 further comprising:
means for identifying a ticker symbol in the first portion of non-deterministic data; and
means for determining whether a length of the ticker symbol is between 1-4 characters, inclusive.

180. (previously presented) The system of claim 176 further comprising:
means for identifying currency information in the first portion of content, wherein the currency information includes a monetary value;

means for determining whether the monetary value includes a dollar sign followed by a numerical value greater than or equal to zero, followed by a decimal point, followed by two numeric digits; and

means for determining the health status of the first server based upon results of said format verification.

181. (previously presented) A method for determining a health status of a selected server of a server farm, the method comprising:

implementing a first thread of a process for determining the health status of a first server of the server farm, said first thread comprising:

identifying the first server of the server farm for analysis;

receiving data from the first server, said data including content information comprising a first portion of non-deterministic data which cannot be predetermined;

performing format verification on the first portion of non-deterministic data by verifying correct formatting of the first portion of non-deterministic data using predetermined format verification rules, the first portion of non-deterministic content including at least one type of information selected from a group consisting of: timestamp information including an hours portion of a time value and a minutes portion of the time value, currency information including a monetary value, and financial information including a ticker symbol; and

determining the health status of the first server based upon results of said format verification.

182. (previously presented) The method of claim 181 further comprising:

identifying timestamp information in the first portion of non-deterministic data, wherein the timestamp information includes an hour's portion of a time value and a minute's portion of the time value;

determining whether the hour's portion of the time value is an integer within a range from 1 to 12, inclusive;

determining whether the minutes portion of the time value is an integer within a range from 0 to 59, inclusive; and

determining whether the timestamp information includes a colon character interposed between the hour's portion and minute's portion of the time value.

183. (previously presented) The method of claim 181 further comprising:

identifying timestamp information in the first portion of non-deterministic data; and

determining whether the timestamp information includes a time data string followed by the characters "AM" or "PM".

184. (previously presented) The method of claim 181 further comprising:

identifying a ticker symbol in the first portion of non-deterministic data; and

determining whether a length of the ticker symbol is between 1-4 characters, inclusive.

185. (previously presented) The method of claim 181 further comprising:

identifying a ticker symbol in the first portion of non-deterministic data; and

determining whether a length of the ticker symbol is five characters with the last character being an "X."

186. (previously presented) The method of claim 181 further comprising:

identifying currency information in the first portion of content, wherein the currency information includes a monetary value; and

determining whether the monetary value includes a dollar sign followed by a numerical value greater than or equal to zero, followed by a decimal point, followed by two numeric digits.

187. (previously presented) The method of claim 181 further comprising:

implementing, concurrently with the implementation of the first thread, a second thread of said method for determining the health status of a second server of the server farm, said second thread comprising:

identifying the second server of the server farm for analysis;

receiving data from the second server, said data including a second portion of content information;

performing format verification on said second portion of content information by verifying proper formatting of the second portion of content information using a second set of predetermined format verification rules; and

determining the health status of the second server based upon results of said second format verification.

188. (previously presented) The method of claim 181 further comprising:

detecting, using results of said format verification, a problem relating to the health status of the first server; and

automatically implementing at least one action in response to the detecting of the problem relating to the health status of the first server.

189. (previously presented) The method of claim 181 wherein the selected first server is a selected server in a load balanced server farm system.